

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	75	makino-akitaka.in. takahashi-youji.in. soraoka-minoru.in. kihara-hideki.in.	US-PGPUB; USPAT	OR	ON	2007/04/02 14:35
L2	23	1 and seal\$2	US-PGPUB; USPAT	OR	ON	2007/04/02 14:35
L3	5271232	"3"	US-PGPUB; USPAT	OR	ON	2007/04/02 14:35
L4	24	1 and seal\$3	US-PGPUB; USPAT	OR	ON	2007/04/02 14:36
L5	103	(liner lining shield\$3).clm. and vacuum.clm. and valve.clm. and (substrate wafer workpiece).clm.	US-PGPUB; USPAT	OR	ON	2007/04/02 14:40
L6	96	(liner lining shield\$3).clm. and vacuum.clm. and valve.clm. and (substrate wafer workpiece).clm. and (wall sidewall chamber).clm.	US-PGPUB; USPAT	OR	ON	2007/04/02 14:41
L7	147	(liner lining shield\$3).clm. and vacuum.clm. and (gate valve slit).clm. and (substrate wafer workpiece).clm. and (wall sidewall chamber).clm.	US-PGPUB; USPAT	OR	ON	2007/04/02 14:41
L8	6	("5641375"   "6165271"   "6192827"   "6221782"   "6408786"   "6647918").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 14:42
S11 3	2125	((118/719) or (414/939) or (156/345.31) or (156/345.32)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/02 14:34
S11 4	590	S113 and (flow with control\$4)	US-PGPUB; USPAT	OR	ON	2004/12/28 18:56
S11 5	796	cluster and ("mass flow controller")	US-PGPUB; USPAT	OR	ON	2004/12/28 17:16
S11 6	457	(cluster with (process\$3 chamber treat\$4)) and ("mass flow controller")	US-PGPUB; USPAT	OR	ON	2004/12/28 17:17
S11 7	129	(cluster with (process\$3 chamber treat\$4)) and (("mass flow controller") with (locat\$4 position\$4 situat\$3))	US-PGPUB; USPAT	OR	ON	2004/12/28 17:18
S11 8	7	(cluster with (process\$3 chamber treat\$4)) and (("mass flow controller") with (locat\$4 position\$4 situat\$3) with between)	US-PGPUB; USPAT	OR	ON	2004/12/28 17:18
S11 9	23	("20030160239"   "4828224"   "4889609"   "5186718"   "5286296"   "5609689"   "5611655"   "5651868"   "5784799"   "5785796"   "5810942"   "5820692"   "5913978"   "5934856"   "6042623"   "6048154"   "6106634"   "6224312"   "6224679"   "6286230"   "6312525"   "6488778"   "6536136").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/28 17:23
S12 0	23	("20030160239"   "4828224"   "4889609"   "5186718"   "5286296"   "5609689"   "5611655"   "5651868"   "5784799"   "5785796"   "5810942"   "5820692"   "5913978"   "5934856"   "6042623"   "6048154"   "6106634"   "6224312"   "6224679"   "6286230"   "6312525"   "6488778"   "6536136").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/28 17:23
S12 1	23	("20030160239"   "4828224"   "4889609"   "5186718"   "5286296"   "5609689"   "5611655"   "5651868"   "5784799"   "5785796"   "5810942"   "5820692"   "5913978"   "5934856"   "6042623"   "6048154"   "6106634"   "6224312"   "6224679"   "6286230"   "6312525"   "6488778"   "6536136").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/28 17:23
S12 2	10	("4749440"   "4816638"   "4857142"   "4900395"   "4951601"   "5067218"   "5228206"   "5292393"   "5301701"   "5403434").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/28 17:33
S12 3	6	("5820692").URPN.	USPAT	OR	ON	2004/12/28 17:34

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S12 4	3152	c23c016\$.ipc. and (flow with control\$4)	US-PGPUB; USPAT	OR	ON	2004/12/28 18:56
S12 5	1793	c23c016\$.ipc. and (flow with control\$4)	EPO; JPO; DERWENT	OR	ON	2004/12/28 18:56
S12 6	1	("6286230").PN.	US-PGPUB; USPAT	OR	OFF	2004/12/29 12:53
S12 7	1	("6312525").PN.	US-PGPUB; USPAT	OR	OFF	2004/12/29 12:55
S12 8	2	"cluster tool" with high with frequency with power with source	US-PGPUB; USPAT	OR	ON	2004/12/29 12:55
S12 9	2	"cluster tool" same (high with frequency with power with source)	US-PGPUB; USPAT	OR	ON	2004/12/29 12:56
S13 0	67	"cluster tool" and (high with frequency with power with source)	US-PGPUB; USPAT	OR	ON	2004/12/29 12:56
S13 1	2	"cluster tool" and (high with frequency with power with source)	EPO; JPO; DERWENT	OR	ON	2004/12/29 12:56
S13 2	20	(US-20040187784-\$).did. or (US-4523544-\$ or US-4539934-\$ or US-4670126-\$ or US-4816098-\$ or US-4976996-\$ or US-5020475-\$ or US-5258075-\$ or US-5474647-\$ or US-5562800-\$ or US-5785796-\$ or US-5820692-\$ or US-5981399-\$ or US-6083321-\$ or US-6277199-\$ or US-6286230-\$ or US-6312525-\$ or US-6797617-\$ or US-6051281-\$).did. or (JP-08127861-\$).did.	US-PGPUB; USPAT; JPO	OR	ON	2004/12/29 15:00
S13 3	2	S132 and table	US-PGPUB; USPAT	OR	ON	2004/12/29 15:17
S13 4	8	S132 and ((susceptor holder platform table) with (wafer substrate))	US-PGPUB; USPAT	OR	ON	2004/12/29 16:43
S13 5	38	takahashi-youji.in. makino-akitaka.in. soraoka-minoru.in. tauchi-susumu.in.	US-PGPUB; USPAT	OR	ON	2005/03/28 20:18
S13 6	2212	((118/719) or (414/939) or (156/345.31) or (156/345.32)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/28 17:27
S13 7	28	S136 and (double with wall)	US-PGPUB; USPAT	OR	ON	2005/03/28 18:09
S13 8	27	S136 and ("cvd" with (typic\$4 convention\$4 usual\$4) with vacuum)	US-PGPUB; USPAT	OR	ON	2005/03/28 17:55
S13 9	566	"cvd" and (double with wall)	US-PGPUB; USPAT	OR	ON	2005/03/28 18:10
S14 0	0	"cvd" and (double with wall) and symetrical\$4	US-PGPUB; USPAT	OR	ON	2005/03/28 18:10
S14 1	0	"cvd" and (double with wall\$3) and symetrical\$4	US-PGPUB; USPAT	OR	ON	2005/03/28 18:10
S14 2	94	"cvd" and (double with wall\$3) and symmetrical\$4	US-PGPUB; USPAT	OR	ON	2005/03/28 18:11
S14 3	10	"cvd" and (double with wall\$3) and (symmetrical\$4 with chamber)	US-PGPUB; USPAT	OR	ON	2005/03/28 18:23
S14 4	18	"cvd" and (double with wall\$3) and (symmetrical\$4 with (flow\$3 stream))	US-PGPUB; USPAT	OR	ON	2005/03/28 18:23
S14 5	18	("5592581").URPN.	USPAT	OR	ON	2005/03/28 18:26
S14 6	44	takahashi-youji.in. makino-akitaka.in. soraoka-minoru.in. tauchi-susumu.in.	US-PGPUB; USPAT	OR	ON	2005/03/28 20:18
S14 7	53	takahashi-youji.in. makino-akitaka.in. soraoka-minoru.in. tauchi-susumu.in. kihara-hideki.in.	US-PGPUB; USPAT	OR	ON	2005/03/28 20:19
S14 8	3	S147 and double	US-PGPUB; USPAT	OR	ON	2005/03/28 20:19

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S14 9	34	(US-20020197145-\$ or US-20040187784-\$ or US-20050051091-\$ or US-20050051092-\$ or US-20050051093-\$).did. or (US-4523544-\$ or US-4539934-\$ or US-4670126-\$ or US-4816098-\$ or US-4976996-\$ or US-5020475-\$ or US-5216223-\$ or US-5223001-\$ or US-5258075-\$ or US-5474647-\$ or US-5484484-\$ or US-5562800-\$ or US-5592581-\$ or US-5785796-\$ or US-5820692-\$ or US-5858100-\$ or US-5884009-\$ or US-5981399-\$ or US-6051281-\$ or US-6083321-\$ or US-6111225-\$ or US-6192827-\$ or US-6277199-\$ or US-6286230-\$ or US-6312525-\$ or US-6647918-\$).did. or (US-6797617-\$ or US-6814813-\$).did. or (JP-08127861-\$).did.	US-PGPUB; USPAT; JPO	OR	ON	2005/04/27 18:59
S15 0	331	(interpos\$3 between) with (arrang\$3 locat\$3 position\$3) with ((mass with flow with control) "mfc")	US-PGPUB; USPAT	OR	ON	2005/08/07 20:33
S15 1	62	(interpos\$3 between) with (arrang\$3 locat\$3 position\$3) with ((mass with flow with control) "mfc")	EPO; JPO; DERWENT	OR	ON	2005/08/07 20:09
S15 2	0	S151 and ((cluster transfer\$4 transport\$4 convey\$4 mov\$4) with (wafer substrate workpiece semiconductor))	EPO; JPO; DERWENT	OR	ON	2005/08/07 20:10
S15 3	0	S151 and ((cluster transfer\$4 transport\$4 convey\$4 mov\$4) and (wafer substrate workpiece semiconductor))	EPO; JPO; DERWENT	OR	ON	2005/08/07 20:10
S15 4	76	S150 and ((cluster transfer\$4 transport\$4 convey\$4 mov\$4) and (wafer substrate workpiece semiconductor))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:11
S15 5	16	S150 and ((cluster transfer\$4 transport\$4 convey\$4 mov\$4) with (wafer substrate workpiece semiconductor))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:26
S15 6	0	(118/719.ccls. 414/939.ccls. 156/345.31.ccls. 156/345.32.ccls.) and ((beside next adjacent) with (arrang\$3 locat\$3 position\$3) with ((mass with flow with control) "mfc"))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:16
S15 7	19	(118/719.ccls. 414/939.ccls. 156/345.31.ccls. 156/345.32.ccls.) and ( (arrang\$3 locat\$3 position\$3) with ((mass with flow with control) "mfc"))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:19
S15 8	0	(118/719.ccls. 414/939.ccls. 156/345.31.ccls. 156/345.32.ccls.) and ( (shar\$3) with ((mass with flow with control) "mfc"))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:19
S15 9	3	((cluster transfer\$4 transport\$4 convey\$4 mov\$4) with (wafer substrate workpiece semiconductor)) and ( (shar\$3) with ((mass with flow with control) "mfc"))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:21
S16 0	0	((cluster transfer\$4 transport\$4 convey\$4 mov\$4) with (wafer substrate workpiece semiconductor)) and ( (shar\$3) with ((mass with flow with control) "mfc"))	EPO; JPO; DERWENT	OR	ON	2005/08/07 20:22
S16 1	1	((cluster transfer\$4 transport\$4 convey\$4 mov\$4) and ( (shar\$3) with ((mass with flow with control) "mfc")))	EPO; JPO; DERWENT	OR	ON	2005/08/07 20:22
S16 2	3	((cluster transfer\$4 transport\$4 convey\$4 mov\$4) and ( (shar\$3) with ((mass with flow with control\$4) "mfc")))	EPO; JPO; DERWENT	OR	ON	2005/08/07 20:23
S16 3	46	((cluster transfer\$4 transport\$4 convey\$4 mov\$4) and ( (shar\$3) with ((mass with flow with control\$4) "mfc")))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:23
S16 4	541	(interpos\$3 between) with (arrang\$3 locat\$3 position\$3) with ((mass with flow with control\$4) "mfc")	US-PGPUB; USPAT	OR	ON	2007/04/02 14:39
S16 5	0	S153 and ((cluster transfer\$4 transport\$4 convey\$4 mov\$4) with (wafer substrate workpiece semiconductor))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:26
S16 6	53	S164 and ((cluster transfer\$4 transport\$4 convey\$4 mov\$4) with (wafer substrate workpiece semiconductor))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:27
S16 7	37	S166 not S155	US-PGPUB; USPAT	OR	ON	2005/08/07 20:27
S16 8	3	(cluster ((transfer\$4 transport\$4 convey\$4) with (wafer substrate semiconductor workpiece))) and (shar\$3) with ((mass with flow with control\$4) "mfc")	US-PGPUB; USPAT	OR	ON	2005/08/07 20:32
S16 9	249	(414/935-941.ccls. 204/298.23-298.29.ccls. 118/719.ccls. 118/718.ccls. 156/345.31.ccls 156/345.32.ccls.) and ((mass with flow with control\$4) "mfc")	US-PGPUB; USPAT	OR	ON	2005/08/08 10:06

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S17 0	39	(414/935-941.ccls. 204/298.23-298.29.ccls. 118/719.ccls. 118/718.ccls. 156/345.31.ccls 156/345.32.ccls.) and (share\$3 with (mass with flow with control\$4) "mfc")	US-PGPUB; USPAT	OR	ON	2005/08/07 20:42
S17 1	39	(414/935-941.ccls. 204/298.23-298.29.ccls. 118/719.ccls. 118/718.ccls. 156/345.31.ccls 156/345.32.ccls.) and ((share shared sharing) with (mass with flow with control\$4) "mfc")	US-PGPUB; USPAT	OR	ON	2005/08/07 20:43
S17 2	0	(414/935-941.ccls. 204/298.23-298.29.ccls. 118/719.ccls. 118/718.ccls. 156/345.31.ccls 156/345.32.ccls.) and ((share shared sharing) with ((mass with flow with control\$4) "mfc"))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:43
S17 3	24	("4105916"   "4149923"   "4483651"   "4560417"   "4638176"   "4640224"   "4692343"   "4702205"   "5000682"   "5019233"   "5138973"   "5225771"   "5292393"   "5310410"   "5338423"   "5488967"   "5515986"   "5567268"   "5587182"   "5595482"   "5611861"   "5755888"   "5855681"   "5900105").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/08 09:21
S17 4	1	("6228773").URPN.	USPAT	OR	ON	2005/08/08 09:25
S17 5	10	("20010009138"   "3739747"   "4492181"   "4640221"   "4690097"   "4908243"   "6129108"   "6228773"   "6251192"   "6440504").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/08 09:25
S17 6	1	("5611861").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/08 09:56
S17 7	0	("6558506").URPN.	USPAT	OR	ON	2005/08/08 09:56
S17 8	68	(stack\$3) with ((mass with flow with control\$4) "mfc")	US-PGPUB; USPAT	OR	ON	2005/08/08 10:14
S17 9	3	(space room) with (stack\$3) with ((mass with flow with control\$4) "mfc")	US-PGPUB; USPAT	OR	ON	2005/08/08 10:07
S18 0	1	("6286230").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/08 10:50
S18 1	1	("6558506").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/08 10:58
S18 2	1	("6228773").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/08 10:58
S18 3	1	10/812,087	US-PGPUB; USPAT	OR	ON	2005/12/19 13:48
S18 4	13	("3690037"   "3935950"   "4458582"   "4632624"   "5194793"   "5223123"   "5334922"   "5592581"   "5613821"   "5844195"   "5846332"   "6074518"   "6111225").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 15:08
S18 5	1	("6814813").URPN.	USPAT	OR	ON	2005/12/19 15:13
S18 6	46	("20020185067"   "20020195201"   "3618919"   "4289061"   "4438724"   "4545136"   "4871417"   "4948979"   "4949669"   "5076205"   "5172849"   "5223113"   "5364219"   "5445491"   "5562800"   "5592581"   "5626936"   "5640751"   "5693288"   "5746434"   "5769952"   "5820641"   "5827370"   "5940684"   "5997588"   "6016611"   "6045620"   "6089543"   "6174366"   "6178660"   "6192827"   "6193802"   "6194628"   "6197119"   "6200415"   "6255222"   "6263829"   "6280584"   "6309161"   "6347918"   "6506254"   "6541353"   "6562141"   "6602346"   "6638672"   "6673196").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 15:13
S18 7	71	("4871417").URPN.	USPAT	OR	ON	2005/12/19 15:14
S18 8	10	("3041225"   "3594230"   "3990462"   "4028135"   "4183780"   "4510176"   "4591485"   "4682614").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 15:24

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S18 9	6	("3690037"   "5223123"   "5592581"   "5613821"   "5844195"   "5846332").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 15:33
S19 0	9	("6192827").URPN.	USPAT	OR	ON	2005/12/19 15:34
S19 1	6	("5641375"   "6165271"   "6192827"   "6221782"   "6408786"   "6647918").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 15:39
S19 2	0	("6889627").URPN.	USPAT	OR	ON	2005/12/19 16:05
S19 3	6	("5641375"   "6165271"   "6192827"   "6221782"   "6408786"   "6647918").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 16:45
S19 4	1	10/189,111	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 18:27
S19 5	99	(118/715-733.ccls. 156/345.\$.ccls.) and ((liner shield) with (flex\$4 compress\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 18:28
S19 6	11	(118/715-733.ccls. 156/345.\$.ccls.) and ((liner shield) with (flex\$4 compress\$4) with (remov\$4 detach\$4 replac\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 18:29
S19 7	46	("20020185067"   "20020195201"   "3618919"   "4289061"   "4438724"   "4545136"   "4871417"   "4948979"   "4949669"   "5076205"   "5172849"   "5223113"   "5364219"   "5445491"   "5562800"   "5592581"   "5626936"   "5640751"   "5693288"   "5746434"   "5769952"   "5820641"   "5827370"   "5940684"   "5997588"   "6016611"   "6045620"   "6089543"   "6174366"   "6178660"   "6192827"   "6193802"   "6194628"   "6197119"   "6200415"   "6255222"   "6263829"   "6280584"   "6309161"   "6347918"   "6506254"   "6541353"   "6562141"   "6602346"   "6638672"   "6673196").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 16:31
S19 8	3	118/715-733.ccls. and amano and hinge	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 16:31
S19 9	46	("20020185067"   "20020195201"   "3618919"   "4289061"   "4438724"   "4545136"   "4871417"   "4948979"   "4949669"   "5076205"   "5172849"   "5223113"   "5364219"   "5445491"   "5562800"   "5592581"   "5626936"   "5640751"   "5693288"   "5746434"   "5769952"   "5820641"   "5827370"   "5940684"   "5997588"   "6016611"   "6045620"   "6089543"   "6174366"   "6178660"   "6192827"   "6193802"   "6194628"   "6197119"   "6200415"   "6255222"   "6263829"   "6280584"   "6309161"   "6347918"   "6506254"   "6541353"   "6562141"   "6602346"   "6638672"   "6673196").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 16:40
S20 0	2	("6814813").URPN.	USPAT	OR	ON	2007/03/30 16:40
S20 1	0	(118/715-733.ccls..156/345.\$.ccls.) and ("inner_chamber" with (protect\$4 prohibit\$4)) and valve	US-PGPUB; USPAT	OR	ON	2007/03/30 16:45
S20 2	6	(118/715-733.ccls. 156/345.\$.ccls.) and ("inside chamber" with (protect\$4 prohibit\$4)) and valve	US-PGPUB; USPAT	OR	ON	2007/03/30 16:46
S20 3	6	(118/715-733.ccls. 156/345.\$.ccls.) and (((inner inside) adj chamber ) with (protect\$4 prohibit\$4)) and valve	US-PGPUB; USPAT	OR	ON	2007/03/30 16:47
S20 4	38	(((inner inside) adj chamber ) with (protect\$4 prohibit\$4)) and valve	EPO; JPO; DERWENT	OR	ON	2007/03/30 16:49
S20 5	10	(inner adj chamber) and plasma and valve	EPO; JPO; DERWENT	OR	ON	2007/03/30 16:51

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S20 6	260	(shield\$3 liner\$3) and plasma and (gate slit valve shutter) and (substrate wafer semiconductor)	EPO; JPO; DERWENT	OR	ON	2007/03/30 16:53
S20 7	61	(shield\$3 liner\$3) and plasma and (gate slit valve shutter) and (substrate wafer semiconductor) and (wall sidewall)	EPO; JPO; DERWENT	OR	ON	2007/03/30 16:53
S20 8	61	(shield\$3 liner\$3) and plasma and (gate slit valve shutter) and (substrate wafer semiconductor) and (wall sidewall outer\$1wall outside\$1wall)	EPO; JPO; DERWENT	OR	ON	2007/03/30 16:59
S20 9	86	kang.in. and plasma and liner	US-PGPUB; USPAT	OR	ON	2007/03/30 16:59
S21 0	22	kang.in. and plasma and liner and port	US-PGPUB; USPAT	OR	ON	2007/03/30 16:59
S21 1	457	156/96	US-PGPUB; USPAT	OR	ON	2007/03/30 17:01
S21 2	25	156/916	US-PGPUB; USPAT	OR	ON	2007/03/30 17:01
S21 3	13	("3690037"   "3935950"   "4458582"   "4632624"   "5194793"   "5223123"   "5334922"   "5592581"   "5613821"   "5844195"   "5846332"   "6074518"   "6111225").PN	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 17:02
S21 4	14	("4441407"   "5186718"   "5516367"   "5730801"   "5788799"   "5820723"   "5885356"   "5891350"   "5952060"   "6063233"   "6245190"   "6251216"   "6264788"   "6277237").PN	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 17:06
S21 5	13	("6264788").URPN.	USPAT	OR	ON	2007/03/30 18:35
S21 6	4	("20030200926"   "20040060516"   "5044311"   "5641375"   "5891 350"   "6821378").PN.	USPAT	OR	ON	2007/03/30 18:39
S21 7	11	("4217856"   "5165548"   "5935336"   "6022461"   "6156151"   "6264788"   "6394026"   "6407367"   "6475286" "6513452"   "6579372").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 18:40
S21 8	0	("6821378").URPN.	USPAT	OR	ON	2007/03/30 18:42
S21 9	11	("4217856"   "5165548"   "5935336"   "6022461"   "6156151"   "6264788"   "6394026"   "6407367"   "6475286" "6513452"   "6579372").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 18:42